



F E D E R A L
S T U D E N T A I D

We Help Put America Through School

FSA Modernization Partner

NSLDS II Reengineering System Interface Detail Design: Direct Loan Servicing System CDR Preview File / Draft CDR File/ Official CDR File Interfaces I-DLSS-4

Version 1.1

November 26, 2002

Table of Contents

1	Direct Loan Servicing System (DLSS).....	3
1.1	SYSTEM SPECIFICS.....	3
1.1.1	NSLDS II.....	3
1.1.2	DLSS.....	3
1.2	DLSS CDR PREVIEW INTERFACE.....	4
1.2.1	Interface Control Specifications.....	4
1.2.2	Interface Flow.....	5
1.2.3	Interface Flow Description.....	5
1.2.4	Source System Functional Specifications.....	5
1.2.5	Destination System Functional Specifications.....	6
1.2.6	Interface Assumptions.....	6
1.2.7	Error Messages.....	6
1.2.8	File Layout.....	7
1.3	DLSS DRAFT CDR INTERFACE.....	18
1.3.1	Interface Control Specifications.....	18
1.3.2	Interface Flow.....	19
1.3.3	Interface Flow Description.....	19
1.3.4	Source System Functional Specifications.....	19
1.3.5	Destination System Functional Specifications.....	20
1.3.6	Interface Assumptions.....	20
1.3.7	Error Messages.....	20
1.3.8	File Layout.....	21
1.4	DLSS CDR OFFICIAL FILE INTERFACE.....	32
1.4.1	Interface Control Specifications.....	32
1.4.2	Interface Flow.....	33
1.4.3	Interface Flow Description.....	33
1.4.4	Source System Functional Specifications.....	33
1.4.5	Destination System Functional Specifications.....	34
1.4.6	Interface Assumptions.....	34
1.4.7	Error Messages.....	34
1.4.8	File Layout.....	35

Document Control

Version Number	Description	Release Date	Author
1.0	Initial Issue	11/08/2002	Troy Edwards
1.1	Wording change in File Layout for Claim Reason Code on page 11 and page 25	11/26/2002	Troy Edwards

1 Direct Loan Servicing System (DLSS)

NSLDS II, as an extension of its Cohort Default Rate (CDR) calculation functionality, will send to DLSS detailed information on their loans used to calculate school CDRs resulting from the monthly Preview calculation and annual Draft and Official calculations. These interfaces take the detailed loan level files created as part of the overall CDR process, and filter out all other loan types other than Direct Loans.

The DLSS interfaces include:

- DLSS Loan Data (**See Document I-DLSS-1**)
- Load Process Error File (**See Document I-DLSS-1**)
- Threshold, Error Code, and Field Code (TEF) File (**See Document I-DLSS-1**)
- DLSS Enrollment Update File (**See Document I-DLSS-2**)
- DLSS Exit Counseling Request (**See Document I-DLSS-3**)
- DLSS Exit Counseling Results (**See Document I-DLSS-3**)
- DLSS CDR Preview (**Section 1.2**)
- DLSS CDR Draft (**Section 1.3**)
- DLSS CDR Official (**Section 1.4**)

1.1 System Specifics

1.1.1 NSLDS II

Item	Description
Production Platform (Vendor/Product Name/Version)	IBM/ Cluster 1600 Server/ 4 p-Series 660 Model 6M1 4 FastT500 Arrays
Operating System (Vendor/Product Name/Version)	Unix/AIX/V 5.1 Parallel Systems Support Program
DBMS (Vendor/Product Name/Version)	IBM/DB2 Universal Database (UDB)/Enterprise Extended v. 7.2
Transmission Protocol	TCP/IP
Production System IP Address	TBD
Production System Location	Meriden, CT
Contracting Organization	Accenture – Modernization Partner
Developer Location	Modernization Partner Offices – Washington DC

1.1.2 DLSS

Item	Description
------	-------------

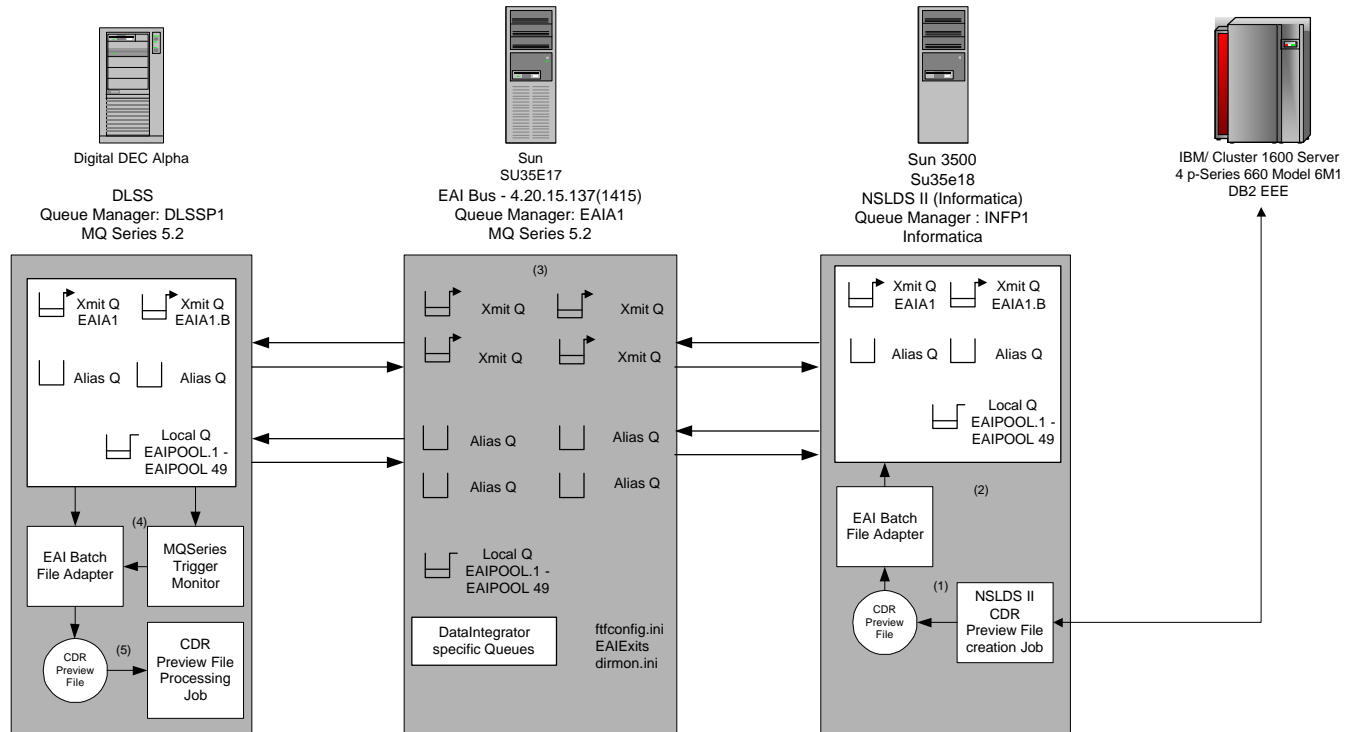
Production Platform (Vendor/Product Name/Version)	Digital / DEC Alpha
Operating System (Vendor/Product Name/Version)	Unix
DBMS (Vendor/Product Name/Version)	Oracle
Transmission Protocol	TCP/IP
Production System IP Address	207.91.76.51
Production System Location	Rockville, MD
Contracting Organization	ACS
Developer Location	Rockville, MD

1.2 DLSS CDR Preview Interface

1.2.1 Interface Control Specifications

Interface Name:	DLSS CDR Preview
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	<p>This section defines the processes utilized by NSLDS II to create and transport the DLSS CDR Preview File via the EAI BUS.</p> <p>NSLDS II (Informatica) will create the DLSS CDR Preview File and submit to DLSS through the EAI BUS. This file includes the detailed loan data used in the School CDR Preview calculation process filtered for only Direct Loans. Note: For more information on calculating CDR Previews see the CDR Procedures document (P-CDR-1).</p>
Requesting Application: or Source Application:	NSLDS II is the source of the CDR Preview File
Responding Application: or Destination Application:	DLSS receives the CDR Preview File
Detailed Technical Requirement References:	5.185, 5.186
Interface Usage Frequency:	Monthly
Interface Usage Volume:	TBD
Output Media:	Flat File in EBCDIC Format
Transmission Mechanism:	EAI BUS

1.2.2 Interface Flow



1.2.3 Interface Flow Description

1. NSLDS II system (Informatica) will initiate a process to create the CDR Preview file from already created flat files
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the DLSS server
4. The EAI Batch File Adapter will move the file to the appropriate place on the DLSS server
5. DLSS will process the CDR Preview File

1.2.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II will produce the CDR Preview File and save as a flat file
2	The data extracted will be laid out as in section 1.2.8 Each record will consist of the following record types: One Header record. One or more Detail Records One Trailer Record
3	File data elements are defined as character, numeric, or date fields, where:

	<ul style="list-style-type: none"> Character fields may contain letters, numbers, or blanks. Numeric fields must only contain numbers. Date fields must contain eight digits, be valid dates, and appear in the format CCYYMMDD (e.g., 19970131), where: <ul style="list-style-type: none"> CC = 2 digits for century YY = 2 digits for year MM = 2 digits for month DD = 2 digits for day <p>The following default values are used in the following types of fields:</p> <ul style="list-style-type: none"> Character fields—must be filled with spaces. Numeric fields—must be filled with zeroes. Date fields—must be filled with zeroes.
4	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to DLSS
5	NSLDS II will provide the EAI adaptor file transfer utility with the following input parameters: Input File Name - TBD

1.2.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the CDR Preview file to the DLSS server
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD

1.2.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / DLSS environment
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to DLSS
3	For more information on calculating CDR Previews within NSLDS II, see the CDR Procedures Document (P-CDR-1)

1.2.7 Error Messages

Code	Message
NA	NA

1.2.8 File Layout

Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Num.	Indicator used to identify the header record. Value must be “1” (one).	File Already Created – No Edits Performed	NA
Organization ID Number	22-29	8	Num.	The eight-digit ED OPE code used to identify the school receiving the LRDR.	File Already Created – No Edits Performed	NA
Filler	30-143	114	Char.	Filler	File Already Created – No Edits Performed	NA
Organization Name	144-203	60	Char.	School’s name.	File Already Created – No Edits Performed	NA
Address	204-253	50	Char.	School’s address.	File Already Created – No Edits Performed	NA
City	254-273	20	Char.	School’s city.	File Already Created – No Edits Performed	NA
State	274-275	2	Char.	School’s state.	File Already Created – No Edits Performed	NA
Country	276-295	20	Char.	School’s country.	File Already Created – No Edits Performed	NA
Zip Code	296-304	9	Num.	School’s Zip Code.	File Already Created – No Edits Performed	NA
Request Date	305-312	8	Date	Identifies the request date of the LRDR report; format is CCYYMMDD.	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Rate Calculation Date	313-320	8	Date	Identifies the date the rate was calculated; format is CCYYMMDD.	File Already Created – No Edits Performed	NA
Cohort Year	321-324	4	Date	Identifies the cohort period associated with the report; format is CCYY.	File Already Created – No Edits Performed	NA
Title IV Program	325-331	7	Char.	Identifies the program type of loans included in the Loan Record Detail Report.	File Already Created – No Edits Performed	NA
Filler	332-334	3	Char.	Filler	NA	NA
Filler	335-335	1	Num.	Filler	NA	NA

Detail Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Char.	Indicator used to identify the detail record. Value must be “2” (two).	File Already Created – No Edits Performed	NA
School Code	22-29	8	Char.	An eight-digit ED Office of Postsecondary Education (OPE) code used to identify the school submitting the LRDR request.	File Already Created – No Edits Performed	NA
Filler	30-37	8	Char.	Filler	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSN	38-46	9	Char.	Title IV recipient's or beneficiary's Social Security Number.	File Already Created – No Edits Performed	NA
Default Rate Usage Code	47-47	1	Char.	Identifies how the loan is counted in the school's cohort default rate calculation.	File Already Created – No Edits Performed	NA
Filler	48-65	18	Char.	Filler	File Already Created – No Edits Performed	NA
Current Last Name	66-100	35	Char.	Title IV recipient's or beneficiary's current last name.	File Already Created – No Edits Performed	NA
Current First Name	101-112	12	Char.	Title IV recipient's or beneficiary's current first name.	File Already Created – No Edits Performed	NA
Student Middle Initial	113-113	1	Char.	Title IV recipient's or beneficiary's middle initial.	File Already Created – No Edits Performed	NA
Student Date of Birth	114-121	8	Num.	Title IV recipient's or beneficiary's date of birth.	File Already Created – No Edits Performed	NA
Original School Code	122-129	8	Char.	ED OPE code for school that certified/originated the loan for the borrower.	File Already Created – No Edits Performed	NA
Begin Class Date	130-137	8	Num.	The date classes were scheduled to begin for the loan period covered by the loan.	File Already Created – No Edits Performed	NA
End Class Date	138-145	8	Num.	The date classes were scheduled to end for the loan period covered by	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				the loan.		
Academic Level	146-146	1	Char.	Student's academic or grade level in school at the beginning of the specific period covered by the loan.	File Already Created – No Edits Performed	NA
Original Lender/Servicer Code	147-152	6	Char.	Code for entity that provided the loan to the student; identifies the originating holder of the loan.	File Already Created – No Edits Performed	NA
Filler	153-156	4	Char.	Filler	File Already Created – No Edits Performed	NA
Current Lender/Servicer Code	157-162	6	Char.	Current lender code.	File Already Created – No Edits Performed	NA
Current Lender/Servicer Branch	163-166	4	Char.	Current lender branch.	File Already Created – No Edits Performed	NA
Loan Type	167-168	2	Char.	The type of loan.	File Already Created – No Edits Performed	NA
Loan Status Code	169-170	2	Char.	The status of the borrower's loan.	File Already Created – No Edits Performed	NA
Loan Status Code Date	171-178	8	Num.	Effective date of the loan status code.	File Already Created – No Edits Performed	NA
Repay Date	179-186	8	Num.	Date loan entered repayment.	File Already Created – No Edits Performed	NA
Amount	187-192	6	Num.	Full amount of the loan.	File Already Created – No Edits Performed	NA
Code for Guarantor/Servicer	193-195	3	Char.	Entity that guaranties the loan on behalf of the Department or entity	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				that the Department contracts with to service Direct Loans. The code for DL Servicer is 101.		
Guaranty Loan Date	196-203	8	Num.	Date that the guaranty agency insured an FFEL Program loan or the first date of disbursement for a Direct Loan Program.	File Already Created – No Edits Performed	NA
Default NegAm Date	204-211	8	Num.	Date that a default claim was paid on an FFEL Program loan or the day of default, for cohort default rate purposes, for Direct Loan Program loans or the day certain Direct Loan Program loans are considered in default, for cohort default rate purposes, if the loan has been in an income contingent repayment plan with payments of less than \$15 per month that resulted in negative amortization for a certain period of time.	File Already Created – No Edits Performed	NA
Claim Reason Code	212-213	2	Char.	Identifies the reason a claim was paid on an FFEL Program loan or if a Direct Loan Program loan has defaulted or, for	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				some Direct Loan Program loans, if the loan entered into an income contingent repayment plan that resulted in negative amortization.		
Filler	214-234	21	Char.	Filler	File Already Created – No Edits Performed	NA
Enrollment Code	235-235	1	Char.	Student's enrollment status at the time the cohort default rate was calculated.	File Already Created – No Edits Performed	NA
Enrollment Code Date	236-243	8	Num.	Effective date of the Enrollment Status Code. If no data is available, the guaranty agency or Direct Loan servicer may use 01/01/1900.	File Already Created – No Edits Performed	NA
Program Type	244-244	1	Char.	Identifies loan program type "F" (FFEL) or "D" (Direct Loan).	Filter for 'D' (Direct Loan)	NA
Filler	245-249	5	Char.	Filler	File Already Created – No Edits Performed	NA
Claim Amount	250-255	6	Num.	The claim amount.	File Already Created – No Edits Performed	NA
Outstanding Principal Balance	256-261	6	Num.	The original dollar amount of the loan.	File Already Created – No Edits Performed	NA
Usage Two	262-263	2	Char.	Identifies how the loan is counted in each individual loan program (i.e., the FFEL Program	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				and/or the Direct Loan Program).		
Filler	264-320	57	Char.	Filler	File Already Created – No Edits Performed	NA
Cohort Year	321-324	4	Char.	Identifies the cohort year; format is CCYY.	File Already Created – No Edits Performed	NA
Filler	325-335	11	Char.	Filler	File Already Created – No Edits Performed	NA

Trailer Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Char.	Indicator used to identify the trailer record. Value must be “3” (three).	File Already Created – No Edits Performed	NA
School Code	22-29	8	Char.	An eight-digit ED OPE code used to identify the school receiving the LRDR.	File Already Created – No Edits Performed	NA
Filler	30-31	2	Char.	Filler	File Already Created – No Edits Performed	NA
Actual Numerator Count	32-39	8	Num.	The total number of unduplicated borrowers reported in the numerator of the cohort default rate. The report count for the numerator represents the unduplicated report	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				with a "B" in the usage code 1 field.		
Actual Denominator Count	40-47	8	Num.	The total number of unduplicated borrowers reported in the denominator of the cohort default rate. The report count for the denominator represents the unduplicated borrower listed on the Loan Record Detail Report with a "D" or "B" in the usage code 1 field.	File Already Created – No Edits Performed	NA
Report Count	48-55	8	Num.	Identifies the unduplicated number of borrowers included in the numerator of the cohort default rate calculation.	File Already Created – No Edits Performed	NA
Report Count	56-63	8	Num.	Identifies the unduplicated number of borrowers included in the denominator of the cohort default rate calculation.	File Already Created – No Edits Performed	NA
IC	64-71	8	Num.	Identifies the number of borrowers meeting income contingency repayment conditions on the Loan Record Detail Report.	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Individual Program Tally	72-79	8	Num.	The total number of unduplicated borrowers counted in the numerator of the FFEL Program.	File Already Created – No Edits Performed	NA
Individual Program Tally	80-87	8	Num.	The total number of unduplicated borrowers counted in the denominator of the FFEL Program.	File Already Created – No Edits Performed	NA
Individual Program Tally	88-95	8	Num.	The total number of unduplicated borrowers counted in the numerator of the Direct Loan Program.	File Already Created – No Edits Performed	NA
Individual Program Tally	96-103	8	Num.	The total number of unduplicated borrowers counted in the denominator of the Direct Loan Program.	File Already Created – No Edits Performed	NA
Filler	104-135	32	Num.	Filler	File Already Created – No Edits Performed	NA
Appealed Rate Flag Identifies if the cohort default rate has been revised due to an appeal.	136-136	1	Char.	Char.	File Already Created – No Edits Performed	NA
Dual Total Dollars in Default	137-146	10	Num.	Total dollars in default. The FFEL Program and Direct Loan Program entries within this field	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				indicate the total dollar volume of defaulted loans included in the cohort default rate calculation.		
Dual Total Dollars in Repayment	147-156	10	Num.	Total dollars in repayment. The FFEL Program and Direct Loan Program entries within this field indicate the total dollar volume for loans that have entered into repayment during the cohort period in question.	File Already Created – No Edits Performed	NA
FFEL Total Dollars in Default	157-166	10	Num.	Dollars in default on FFEL Program.	File Already Created – No Edits Performed	NA
FFEL Total Dollars in Repayment	167-176	10	Num.	Dollars in repayment on FFEL Program.	File Already Created – No Edits Performed	NA
Direct Total Dollars in Default	177-186	10	Num.	Dollars in default on Direct Loan Program.	File Already Created – No Edits Performed	NA
Direct Total Dollars in Repayment	187-196	10	Num.	Dollars in repayment on Direct Loan Program.	File Already Created – No Edits Performed	NA
Total Insurance Claim Payments	197-206	10	Num.	Identifies the total dollar amount for insurance claim payments.	File Already Created – No Edits Performed	NA
Filler	207-320	114	Char.	Filler	File Already Created – No Edits Performed	NA
Trailer Sort Cohort Year	321-324	4	Date	Identifies the cohort year; format is CCYY.	File Already Created – No Edits Performed	NA

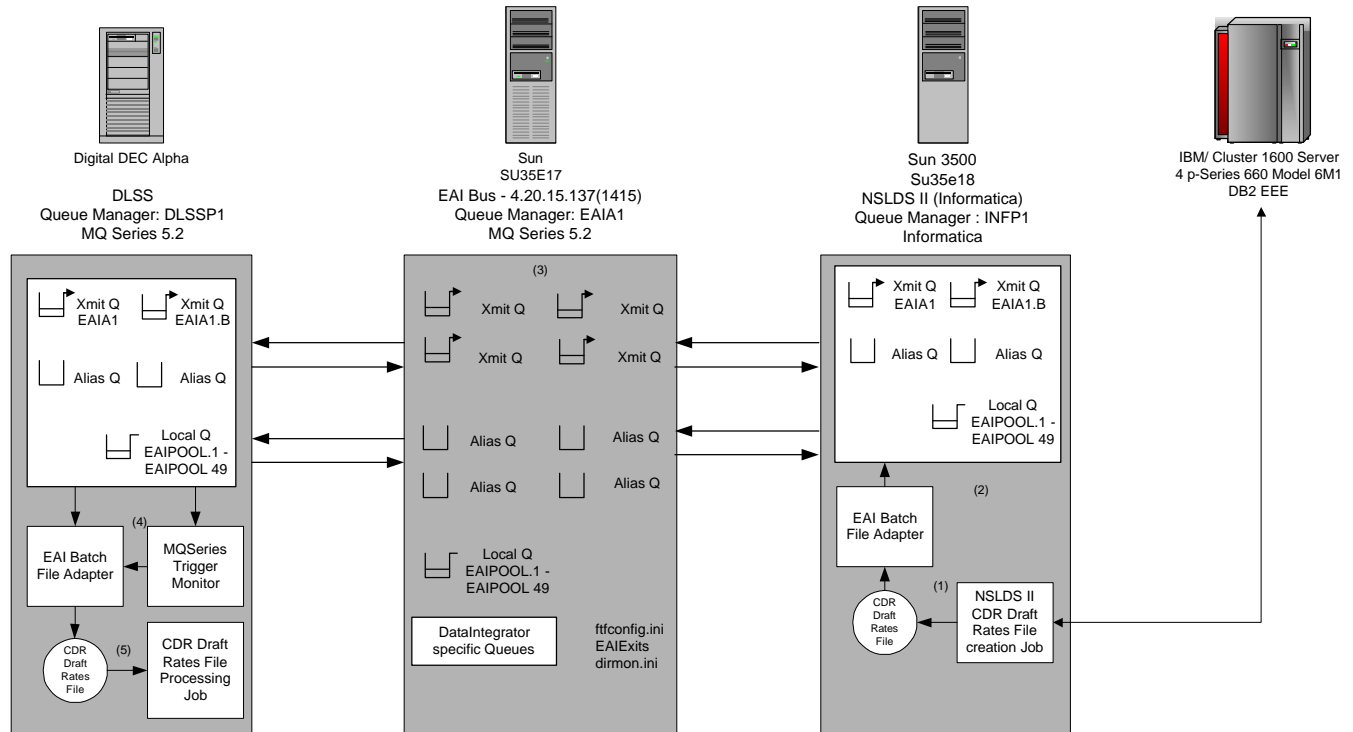
Data Element	Field Position	Length	Type	Description	Edits	Mapping
					Performed	
Filler	325-335	11	Char.	Filler	File Already Created – No Edits Performed	NA

1.3 DLSS Draft CDR Interface

1.3.1 Interface Control Specifications

Interface Name:	DLSS CDR Draft Rates
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	<p>This section defines the processes utilized by NSLDS II to create and transport the DLSS Draft CDR File via the EAI BUS.</p> <p>NSLDS II (Informatica) will create the DLSS Draft CDR File and submit to DLSS through the EAI BUS. This file includes the detailed loan data used in the School Draft CDR calculation process filtered for only Direct Loans. Note: For more information on calculating School Draft CDR, see the CDR Procedures document (P-CDR-1).</p>
Requesting Application: or Source Application:	NSLDS II is the source of the DLSS Draft CDR File
Responding Application: or Destination Application:	DLSS receives the DLSS Draft CDR File
Detailed Technical Requirement References:	5.185
Interface Usage Frequency:	Annually – Draft rates are calculated in January and ready for distribution in February
Interface Usage Volume:	TBD
Output Media:	Flat File in EBCDIC Format
Transmission Mechanism:	EAI BUS

1.3.2 Interface Flow



1.3.3 Interface Flow Description

1. NSLDS II (Informatica) will initiate a process to create the DLSS Draft CDR File from existing flat file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the DLSS server
4. The EAI Batch File Adapter will move the file to the DLSS server
5. DLSS will process the DLSS Draft CDR file

1.3.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II will produce the DLSS Draft CDR File and save as a flat file
2	The data extracted will be laid out as in section 1.3.8 Each record will consist of the following record types: One Header record One or more Detail Records One Header Record
3	File data elements are defined as character, numeric, or date fields, where: <ul style="list-style-type: none"> Character fields may contain letters, numbers, or blanks.

	<ul style="list-style-type: none"> Numeric fields must only contain numbers. Date fields must contain eight digits, be valid dates, and appear in the format CCYYMMDD (e.g., 19970131), where: <ul style="list-style-type: none"> CC = 2 digits for century YY = 2 digits for year MM = 2 digits for month DD = 2 digits for day <p>The following default values are used in the following types of fields:</p> <ul style="list-style-type: none"> Character fields—must be filled with spaces. Numeric fields—must be filled with zeroes. Date fields—must be filled with zeroes.
4	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to DLSS
5	NSLDS II will provide the EAI adaptor file transfer utility with the following input parameters: Input File Name - TBD

1.3.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the DLSS Draft CDR File to the DLSS server
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD

1.3.6 Interface Assumptions

#	Assumption
1	MQ Series Queue Manager is installed / configured for the NSLDS II / DLSS environment
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to DLSS
3	For more information on calculating Draft School CDR within NSLDS II, see the CDR Procedures Document (P-CDR-1)

1.3.7 Error Messages

Code	Message
NA	NA

1.3.8 File Layout

Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Num.	Indicator used to identify the header record. Value must be “1” (one).	File Already Created – No Edits Performed	NA
Organization ID Number	22-29	8	Num.	The eight-digit ED OPE code used to identify the school receiving the LRDR.	File Already Created – No Edits Performed	NA
Filler	30-143	114	Char.	Filler	File Already Created – No Edits Performed	NA
Organization Name	144-203	60	Char.	School’s name.	File Already Created – No Edits Performed	NA
Address	204-253	50	Char.	School’s address.	File Already Created – No Edits Performed	NA
City	254-273	20	Char.	School’s city.	File Already Created – No Edits Performed	NA
State	274-275	2	Char.	School’s state.	File Already Created – No Edits Performed	NA
Country	276-295	20	Char.	School’s country.	File Already Created – No Edits Performed	NA
Zip Code	296-304	9	Num.	School’s Zip Code.	File Already Created – No Edits Performed	NA
Request Date	305-312	8	Date	Identifies the request date of the LRDR report; format is CCYYMMDD.	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Rate Calculation Date	313-320	8	Date	Identifies the date the rate was calculated; format is CCYYMMDD.	File Already Created – No Edits Performed	NA
Cohort Year	321-324	4	Date	Identifies the cohort period associated with the report; format is CCYY.	File Already Created – No Edits Performed	NA
Title IV Program	325-331	7	Char.	Identifies the program type of loans included in the Loan Record Detail Report.	File Already Created – No Edits Performed	NA
Filler	332-334	3	Char.	Filler	NA	NA
Filler	335-335	1	Num.	Filler	NA	NA

Detail Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Char.	Indicator used to identify the detail record. Value must be “2” (two).	File Already Created – No Edits Performed	NA
School Code	22-29	8	Char.	An eight-digit ED Office of Postsecondary Education (OPE) code used to identify the school submitting the LRDR request.	File Already Created – No Edits Performed	NA
Filler	30-37	8	Char.	Filler	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSN	38-46	9	Char.	Title IV recipient's or beneficiary's Social Security Number.	File Already Created – No Edits Performed	NA
Default Rate Usage Code	47-47	1	Char.	Identifies how the loan is counted in the school's cohort default rate calculation.	File Already Created – No Edits Performed	NA
Filler	48-65	18	Char.	Filler	File Already Created – No Edits Performed	NA
Current Last Name	66-100	35	Char.	Title IV recipient's or beneficiary's current last name.	File Already Created – No Edits Performed	NA
Current First Name	101-112	12	Char.	Title IV recipient's or beneficiary's current first name.	File Already Created – No Edits Performed	NA
Student Middle Initial	113-113	1	Char.	Title IV recipient's or beneficiary's middle initial.	File Already Created – No Edits Performed	NA
Student Date of Birth	114-121	8	Num.	Title IV recipient's or beneficiary's date of birth.	File Already Created – No Edits Performed	NA
Original School Code	122-129	8	Char.	ED OPE code for school that certified/originated the loan for the borrower.	File Already Created – No Edits Performed	NA
Begin Class Date	130-137	8	Num.	The date classes were scheduled to begin for the loan period covered by the loan.	File Already Created – No Edits Performed	NA
End Class Date	138-145	8	Num.	The date classes were scheduled to end for the loan period covered by	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				the loan.		
Academic Level	146-146	1	Char.	Student's academic or grade level in school at the beginning of the specific period covered by the loan.	File Already Created – No Edits Performed	NA
Original Lender/Servicer Code	147-152	6	Char.	Code for entity that provided the loan to the student; identifies the originating holder of the loan.	File Already Created – No Edits Performed	NA
Filler	153-156	4	Char.	Filler	File Already Created – No Edits Performed	NA
Current Lender/Servicer Code	157-162	6	Char.	Current lender code.	File Already Created – No Edits Performed	NA
Current Lender/Servicer Branch	163-166	4	Char.	Current lender branch.	File Already Created – No Edits Performed	NA
Loan Type	167-168	2	Char.	The type of loan.	Filtered for D1, D2 Loan Codes	NA
Loan Status Code	169-170	2	Char.	The status of the borrower's loan.	File Already Created – No Edits Performed	NA
Loan Status Code Date	171-178	8	Num.	Effective date of the loan status code.	File Already Created – No Edits Performed	NA
Repay Date	179-186	8	Num.	Date loan entered repayment.	File Already Created – No Edits Performed	NA
Amount	187-192	6	Num.	Full amount of the loan.	File Already Created – No Edits Performed	NA
Code for Guarantor/Servicer	193-195	3	Char.	Entity that guaranties the loan on behalf of the Department or entity that the Department	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				contracts with to service Direct Loans. The code for DL Servicer is 101.		
Guaranty Loan Date	196-203	8	Num.	Date that the guaranty agency insured an FFEL Program loan or the first date of disbursement for a Direct Loan Program.	File Already Created – No Edits Performed	NA
Default NegAm Date	204-211	8	Num.	Date that a default claim was paid on an FFEL Program loan or the day of default, for cohort default rate purposes, for Direct Loan Program loans or the day certain Direct Loan Program loans are considered in default, for cohort default rate purposes, if the loan has been in an income contingent repayment plan with payments of less than \$15 per month that resulted in negative amortization for a certain period of time.	File Already Created – No Edits Performed	NA
Claim Reason Code	212-213	2	Char.	Identifies the reason a claim was paid on an FFEL Program loan or if a Direct Loan Program loan has defaulted or, for some Direct Loan	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				Program loans, if the loan entered into an income contingent repayment plan that resulted in negative amortization.		
Filler	214-234	21	Char.	Filler	File Already Created – No Edits Performed	NA
Enrollment Code	235-235	1	Char.	Student's enrollment status at the time the cohort default rate was calculated.	File Already Created – No Edits Performed	NA
Enrollment Code Date	236-243	8	Num.	Effective date of the Enrollment Status Code. If no data is available, the guaranty agency or Direct Loan servicer may use 01/01/1900.	File Already Created – No Edits Performed	NA
Program Type	244-244	1	Char.	Identifies loan program type "F" (FFEL) or "D" (Direct Loan).	Filter for 'D' (Direct Loan)	NA
Filler	245-249	5	Char.	Filler	File Already Created – No Edits Performed	NA
Claim Amount	250-255	6	Num.	The claim amount.	File Already Created – No Edits Performed	NA
Outstanding Principal Balance	256-261	6	Num.	The original dollar amount of the loan.	File Already Created – No Edits Performed	NA
Usage Two	262-263	2	Char.	Identifies how the loan is counted in each individual loan program (i.e., the FFEL Program and/or the Direct Loan	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				Program).		
Filler	264-320	57	Char.	Filler	File Already Created – No Edits Performed	NA
Cohort Year	321-324	4	Char.	Identifies the cohort year; format is CCYY.	File Already Created – No Edits Performed	NA
Filler	325-335	11	Char.	Filler	File Already Created – No Edits Performed	NA

Trailer Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	1-20	20	Char.	Filler	File Already Created – No Edits Performed	NA
Record Type	21-21	1	Char.	Indicator used to identify the trailer record. Value must be “3” (three).	File Already Created – No Edits Performed	NA
School Code	22-29	8	Char.	An eight-digit ED OPE code used to identify the school receiving the LRDR.	File Already Created – No Edits Performed	NA
Filler	30-31	2	Char.	Filler	File Already Created – No Edits Performed	NA
Actual Numerator Count	32-39	8	Num.	The total number of unduplicated borrowers reported in the numerator of the cohort default rate. The report count for the numerator represents the unduplicated report with a “B” in the usage	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				code 1 field.		
Actual Denominator Count	40-47	8	Num.	The total number of unduplicated borrowers reported in the denominator of the cohort default rate. The report count for the denominator represents the unduplicated borrower listed on the Loan Record Detail Report with a "D" or "B" in the usage code 1 field.	File Already Created – No Edits Performed	NA
Report Count	48-55	8	Num.	Identifies the unduplicated number of borrowers included in the numerator of the cohort default rate calculation.	File Already Created – No Edits Performed	NA
Report Count	56-63	8	Num.	Identifies the unduplicated number of borrowers included in the denominator of the cohort default rate calculation.	File Already Created – No Edits Performed	NA
IC	64-71	8	Num.	Identifies the number of borrowers meeting income contingency repayment conditions on the Loan Record Detail Report.	File Already Created – No Edits Performed	NA
Individual	72-79	8	Num.	The total number of	File Already Created – No Edits	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Program Tally				unduplicated borrowers counted in the numerator of the FFEL Program.	Performed	
Individual Program Tally	80-87	8	Num.	The total number of unduplicated borrowers counted in the denominator of the FFEL Program.	File Already Created – No Edits Performed	NA
Individual Program Tally	88-95	8	Num.	The total number of unduplicated borrowers counted in the numerator of the Direct Loan Program.	File Already Created – No Edits Performed	NA
Individual Program Tally	96-103	8	Num.	The total number of unduplicated borrowers counted in the denominator of the Direct Loan Program.	File Already Created – No Edits Performed	NA
Filler	104-135	32	Num.	Filler	File Already Created – No Edits Performed	NA
Appealed Rate Flag Identifies if the cohort default rate has been revised due to an appeal.	136-136	1	Char.	Char.	File Already Created – No Edits Performed	NA
Dual Total Dollars in Default	137-146	10	Num.	Total dollars in default. The FFEL Program and Direct Loan Program entries within this field indicate the total dollar	File Already Created – No Edits Performed	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
				volume of defaulted loans included in the cohort default rate calculation.		
Dual Total Dollars in Repayment	147-156	10	Num.	Total dollars in repayment. The FFEL Program and Direct Loan Program entries within this field indicate the total dollar volume for loans that have entered into repayment during the cohort period in question.	File Already Created – No Edits Performed	NA
FFEL Total Dollars in Default	157-166	10	Num.	Dollars in default on FFEL Program.	File Already Created – No Edits Performed	NA
FFEL Total Dollars in Repayment	167-176	10	Num.	Dollars in repayment on FFEL Program.	File Already Created – No Edits Performed	NA
Direct Total Dollars in Default	177-186	10	Num.	Dollars in default on Direct Loan Program.	File Already Created – No Edits Performed	NA
Direct Total Dollars in Repayment	187-196	10	Num.	Dollars in repayment on Direct Loan Program.	File Already Created – No Edits Performed	NA
Total Insurance Claim Payments	197-206	10	Num.	Identifies the total dollar amount for insurance claim payments.	File Already Created – No Edits Performed	NA
Filler	207-320	114	Char.	Filler	File Already Created – No Edits Performed	NA
Trailer Sort Cohort Year	321-324	4	Date	Identifies the cohort year; format is CCYY.	File Already Created – No Edits Performed	NA
Filler	325-335	11	Char.	Filler	File Already Created – No Edits	NA

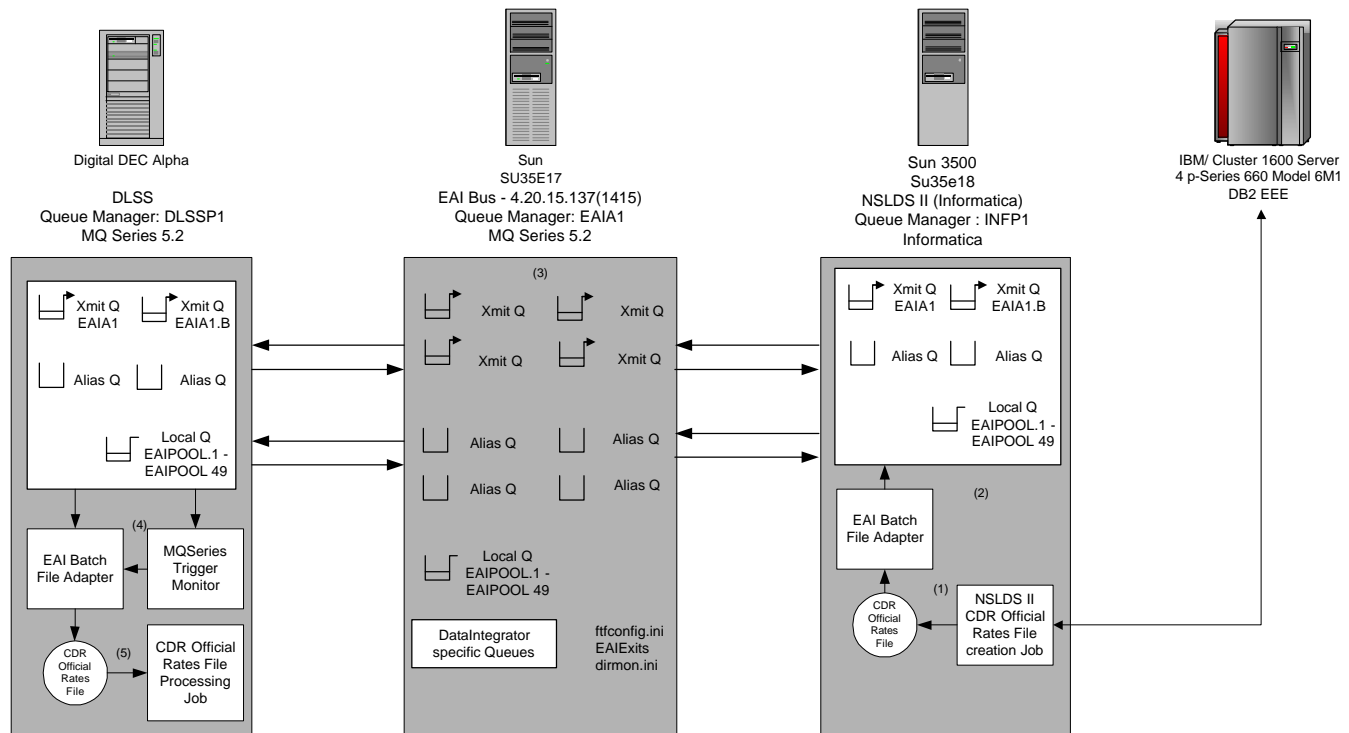
Data Element	Field Position	Length	Type	Description	Edits	Mapping
					Performed	

1.4 DLSS CDR Official File Interface

1.4.1 Interface Control Specifications

Interface Name:	DLSS CDR Official Rates
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	<p>This section defines the processes utilized by NSLDS II to create and transport the DLSS Official CDR File via the EAI BUS</p> <p>NSLDS II (Informatica) will create the DLSS CDR Official File and submit to DLSS through the EAI BUS. This file includes the detailed loan data used in the School Official CDR calculation process filtered for only Direct Loans. Note: For more information on calculating School Draft CDR, see the CDR Procedures document (P-CDR-1).</p>
Requesting Application: or Source Application:	NSLDS II is the source of the DLSS Official CDR File
Responding Application: or Destination Application:	DLSS is the source of the DLSS Official CDR File
Detailed Technical Requirement References:	5.186
Interface Usage Frequency:	Annually – Official rates are calculated in August and ready for distribution in September
Interface Usage Volume:	TBD
Output Media:	Flat File in EBCDIC Format
Transmission Mechanism:	EAI BUS

1.4.2 Interface Flow



1.4.3 Interface Flow Description

1. NSLDS II (Informatica) will initiate a process to create the DLSS Official CDR File from an existing flat file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the DLSS server
4. The EAI Batch File Adapter will move the file to the DLSS server
5. DLSS will process the DLSS Official CDR File

1.4.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II will produce the DLSS Official CDR File and save as a flat file
2	The data extracted will be laid out as in section 1.4.8 Each record will consist of the following record types: One Header Record One or more Detail Records One Header Record
3	File data elements are defined as character, numeric, or date fields, where:

	<ul style="list-style-type: none"> Character fields may contain letters, numbers, or blanks. Numeric fields must only contain numbers. Date fields must contain eight digits, be valid dates, and appear in the format CCYYMMDD (e.g., 19970131), where: <ul style="list-style-type: none"> CC = 2 digits for century YY = 2 digits for year MM = 2 digits for month DD = 2 digits for day <p>The following default values are used in the following types of fields:</p> <ul style="list-style-type: none"> Character fields—must be filled with spaces. Numeric fields—must be filled with zeroes. Date fields—must be filled with zeroes.
4	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to DLSS
5	NSLDS II will provide the EAI adaptor file transfer utility with the following input parameters: Input File Name - TBD

1.4.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the CDR Official Rates file to the DLSS server
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD

1.4.6 Interface Assumptions

#	Assumption
1	MQ Series Queue Manager is installed / configured for the NSLDS II / DLSS environment
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to DLSS
3	For more information on calculating Official School CDR within NSLDS II, see the CDR Procedures Document (P-CDR-1)

1.4.7 Error Messages

Code	Message
NA	NA

1.4.8 File Layout

File Layouts are Identical to DLSS Draft CDR File (Section 1.3.8)